I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbili No. EV 596703537 US, on the date shown below in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: October 31, 2006

Signature:

## IAP13 Rec'd PCT/PTO 31 OCT 2006

(Lori Sims)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| TRANSMITTAL LETTER TO THE UNITED STATES  | ATTORNEY'S DOCKET NUMBER 367592000500           |  |
|--|---|--|
| DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371   | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) |  |
|  | 10/561,691                                      |  |
| INTERNATIONAL APPLICATION NO. PCT/US2004/020589 INTERNATIONAL FILING DATE 25 June 2004   | PRIORITY DATE CLAIMED<br>25 June 2003           |  |
| TITLE OF INVENTION POLYNUCLEOTIDES CAPABLE OF TARGET-DEPENDENT CIRCULAR  | ZZATION AND TOPOLOGICAL LINKAGE                 |  |
| APPLICANT(S) FOR DO/EO/US  | TOTAL DESCRIPTION OF STREET                     |  |
| Sergei A. KAZAKOV et al.   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:                                      |   |  |
| 1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  |   |  |
| 2. x This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.   |   |  |
| 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |   |  |
| 4 The US has been elected (Article 31).  |   |  |
| 5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))   |   |  |
| a. is attached hereto (required only if not communicated by the International Bureau).   |   |  |
| b. has been communicated by the International Bureau.  |   |  |
| c. is not required, as the application was filed in the United States Receiving Office (RO/US).  |   |  |
| 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |   |  |
| a. is attached hereto.   |   |  |
| b. has been previously submitted under 35 U.S.C. 154(d)(4).  |   |  |
| 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))  |   |  |
| a. are attached hereto (required only if not communicated by the International Bureau).  |   |  |
| b. have been communicated by the International Bureau.   |   |  |
| c. have not been made; however, the time limit for making such amendments has NOT expired.   |   |  |
| d. have not been made and will not be made.  |   |  |
| 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).   |   |  |
| 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |   |  |
| 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                   |   |  |
| Items 11 to 20 below concern document(s) or information included:  |   |  |
| 11 An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |   |  |
| 12 An assignment document for recording. A separate cover sheet in compl   | ance with 37 CFR 3.28 and 3.31 is included.     |  |
| 13. A preliminary amendment.   |   |  |
| 14 An Application Data Sheet under 37 CFR 1.76.  |   |  |
| 15. A substitute specification.  |   |  |
| 16. A power of attorney and/or change of address letter.   |   |  |
| A computer-readable form of the sequence listing in accordance with P (Substitute - 1 disk)  |   |  |
| 18. A second copy of the published International Application under 35 U.S.   | Ć. 154(d)(4).                                   |  |
| 19. A second copy of the English language translation of the international a   | pplication under 35 U.S.C. 154(d)(4).           |  |
|  |   |  |

PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMER CE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER PCT/US2004/020589 10/561,691 367592000500 (1) Statement Pursuant to 37 CFR 1.821(f) (2 pages); (2) Paper Copy of Substitute 20. x Other items or information: Sequence Listing (12 pages); (3) Return Receipt Postcard The following fees have been submitted **CALCULATIONS PTO USEONLY** Basic national fee (37 CFR 1.492(a))......\$300 21. \$ 22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)...... \$ 23. Search fee (37 CFR 1.492(b)) \$ All other situations. TOTAL OF 21, 22 and 23 = \$ 0.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction **Total Sheets** Extra Sheets RATE thereof (round up to a whole number) - 100 = /50 = x \$250.00 \$ Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)). NUMBER FILED NUMBER EXTRA CLAIMS RATE Total claims 33 - 33 = 50.00 0 Independent claims 2 - 3 = 0 200.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) 360.00 TOTAL OF ABOVE CALCULATIONS = 0.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. 0.00 SUBTOTAL = \$ 0.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** \$ 0.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ \$ TOTAL FEES ENCLOSED = \$ 0.00 Amount to be refunded: Amount to be \$ charged

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| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status.               |                                   |                 |  |
| The difference to restore the international Application to p  | Seriality Status.                 |                 |  |
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